

CLAIMS

We claim:

1 1. A camera system for mounting to an aircraft having a topography, the camera
2 system comprising:
3 a housing including a flange and a receptacle, the flange being configured to complement
4 the topography of the aircraft, the receptacle having an opening and an inner surface;
5 a window fixed within the opening of the receptacle;
6 a camera disposed within the receptacle having optical communication with the window,
7 a space being defined between the camera and the inner surface of the receptacle; and
8 a filler disposed in the space to seal the camera within the receptacle.

2 2. A camera system as claimed in claim 1 wherein:
3 the filler is an adhesive compound.

4 3. A camera system as claimed in claim 1 wherein:
5 the filler is epoxy.

6 4. A camera system as claimed in claim 1 further comprising:
7 a heater configured to heat the window

8 5. A camera system as claimed in claim 4 wherein the heater includes:
1 a conductive film disposed upon the window; and
2 a pair of wires connected to the conductive film.

3 6. A camera system as claimed in claim 1 wherein:
4 the window includes sapphire.

5 7. A camera system for external mounting to an aircraft having a topography, the
6 camera system comprising:
7 a housing including a flange and a receptacle, the flange being configured to complement
8 the topography of the aircraft, the receptacle having an opening;

5 a window fixed within the opening of the receptacle;
6 a heater configured to heat the window; and
7 a camera disposed within the receptacle having optical communication with the window.

1 8. A camera system as claimed in claim 7 wherein the heater includes:
2 a conductive film disposed on the window; and
3 a pair of wires connected to the conductive film.

1 9. A camera system as claimed in claim 7 wherein the window is sapphire.

1 10. A camera system as claimed in claim 7 wherein a space is defined between the
2 camera and an inner surface of the receptacle;
a filler occupying the space to seal the camera within the receptacle

11. A camera system as claimed in claim 10 wherein:
the filler is an adhesive compound.

1 12. A camera system as claimed in claim 11 wherein the adhesive compound is
2 epoxy.